02840   OIPE

ENTERED

Serial Number: 10/015,551

CRF Processing Date: 1/14/2002
Edited by:
Verified by: _____ (STIC sta

- [ ] Changed a file from non-ASCII to ASCII

- [ ] Changed the margins in cases where the sequence text was "wrapped" down to the next line.

- [ ] Edited a format error in the Current Application Data section, specifically:
_____

- [ ] Edited the Current Application Data section with the actual current number. The number inputted by the applicant was [ ] the prior application data; or [ ] other _____.

- [ ] Added the mandatory heading and subheadings for "Current Application Data".

- [ ] Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer.

- [ ] Changed the spelling of a mandatory field (the headings or subheadings), specifically:
_____

- [ ] Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were:
_____

- [ ] Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:
_____

- [ ] Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place.

- [ ] Inserted colons after headings/subheadings. Headings edited included:

- [ ] Deleted extra, invalid, headings used by an applicant, specifically:
_____

- [x] Deleted: [x] non-ASCII "garbage" at the beginning/end of files; [ ] secretary initials/filename at end of file; [ ] page numbers throughout text; [ ] other invalid text, such as _____

- [ ] Inserted mandatory headings, specifically: _____

- [ ] Corrected an obvious error in the response, specifically:
_____

- [ ] Edited identifiers where upper case is used but lower case is required, or vice versa.

- [ ] Corrected an error in the Number of Sequences field, specifically:
_____

- [ ] A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted.

- [ ] Deleted *ending* stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a Patentin bug). Sequences corrected: _____

- [ ] Other:
_____
_____
_____

Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/015,551

DATE: 01/14/2002
TIME: 09:52:48

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01112002\J015551.raw**

```
 4 <110> APPLICANT: Allen, Keith D.
 6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
 7       BRAIN-SPECIFIC MEMBRANE-ANCHORED PROTEIN GENE DISRUPTIONS
10 <130> FILE REFERENCE: R-227
```
C--> `12 <140> CURRENT APPLICATION NUMBER: US/10/015,551`
C--> `12 <141> CURRENT FILING DATE: 2001-12-11`
```
12 <150> PRIOR APPLICATION NUMBER: US 60/255,969
13 <151> PRIOR FILING DATE: 2000-12-13
15 <150> PRIOR APPLICATION NUMBER: US 60/301,040
16 <151> PRIOR FILING DATE: 2001-06-26
18 <160> NUMBER OF SEQ ID NOS: 3
20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 352
24 <212> TYPE: DNA
25 <213> ORGANISM: Mus musculus
27 <400> SEQUENCE: 1
28 gctgcggtag cattgccgct gctgctgttg ttggcgtcac tggtcacccc aaccccagcg 60
29 cgtgacccct tcgctccgca gctcggggac actcagaggt gccagcagcg gtgtcgccag 120
30 caccaccctg gctcgcctcc tgcgcagcct gagccagagg gtccctcaga gtccccgaat 180
31 aacaaggcta tcctgatcag tgcttgtgag cgtggctgtc ggcttttctc catctgccgc 240
32 tttgtggcca agagctctag gcccaatgcc acagagacag aatgtgaagc agcctgcaca 300
33 gaagcttacg tgaaggcagc ggagcaacgg gcctgcagtg aggggtgctg gg         352
35 <210> SEQ ID NO: 2
36 <211> LENGTH: 200
37 <212> TYPE: DNA
38 <213> ORGANISM: Artificial Sequence
40 <220> FEATURE:
41 <223> OTHER INFORMATION: Targeting Vector
43 <400> SEQUENCE: 2
44 acccctcccc ccatgatgat cctggctttc tgaaacctga cttcagtctc gtggattctt 60
45 aggggggaccc cagccttctt ccccgagtac ctttgcctga gtctcttatc tcccttccca 120
46 gcctgagcca gagggtccct cagagtcccc gaataacaag gctatcctga tcagtgcttg 180
47 tgagcgtggc tgtcggcttt                                             200
49 <210> SEQ ID NO: 3
50 <211> LENGTH: 200
51 <212> TYPE: DNA
52 <213> ORGANISM: Artificial Sequence
54 <220> FEATURE:
55 <223> OTHER INFORMATION: Targeting Vector
57 <221> NAME/KEY: misc_feature
58 <222> LOCATION: 157
59 <223> OTHER INFORMATION: n = A,T,C or G
61 <400> SEQUENCE: 3
62 gcccaatgcc acagagacag aatgtgaagc aggtgagtcc tccagggctg ggtgcacttt 60
63 ggggggtgcct gcagcagagg tatcctggga agcagctccc agtgactcca tcctgtggcc 120
64 cacagcctgc acagaagctt acgtgaaggc agcggancaa cgggcctgca gtgagggg tg 180
```

RAW SEQUENCE LISTING   DATE: 01/14/2002
PATENT APPLICATION: US/10/015,551   TIME: 09:52:48

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01112002\J015551.raw**

65 ctggggccag atccctgaac   200

VERIFICATION SUMMARY   DATE: 01/14/2002
PATENT APPLICATION: US/10/015,551   TIME: 09:52:49

Input Set : **A:\PTO.AMC.txt**
Output Set: **N:\CRF3\01112002\J015551.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3

```
            RAW SEQUENCE LISTING              DATE: 01/04/2002
            PATENT APPLICATION:  US/10/015,551    TIME: 10:40:50

            Input Set : A:\Sequences for submission.txt
            Output Set: N:\CRF3\01042002\J015551.raw
```

Does Not Comply
Corrected Diskette Needed

```
       4 <110> APPLICANT: Allen, Keith D.
       6 <120> TITLE OF INVENTION: TRANSGENIC MICE CONTAINING
       7       BRAIN-SPECIFIC MEMBRANE-ANCHORED PROTEIN GENE DISRUPTIONS
      10 <130> FILE REFERENCE: R-227
C-->  12 <140> CURRENT APPLICATION NUMBER: US/10/015,551
C-->  12 <141> CURRENT FILING DATE: 2001-12-11
      12 <150> PRIOR APPLICATION NUMBER: US 60/255,969
      13 <151> PRIOR FILING DATE: 2000-12-13
      15 <150> PRIOR APPLICATION NUMBER: US 60/301,040
      16 <151> PRIOR FILING DATE: 2001-06-26
      18 <160> NUMBER OF SEQ ID NOS: 3
      20 <170> SOFTWARE: FastSEQ for Windows Version 4.0
```

ERRORED SEQUENCES

```
      49 <210> SEQ ID NO: 3
      50 <211> LENGTH: 200
      51 <212> TYPE: DNA
      52 <213> ORGANISM: Artificial Sequence
      54 <220> FEATURE:
      55 <223> OTHER INFORMATION: Targeting Vector
      57 <221> NAME/KEY: misc_feature
      58 <222> LOCATION: 157
      59 <223> OTHER INFORMATION: n = A,T,C or G
      61 <400> SEQUENCE: 3
      62 gcccaatgcc acagagacag aatgtgaagc aggtgagtcc tccagggctg ggtgcacttt 60
      63 gggggtgcct gcagcagagg tatcctggga agcagctccc agtgactcca tcctgtggcc 120
W-->  64 cacagcctgc acagaagctt acgtgaaggc agcggancaa cgggcctgca gtgaggggtg 180
      65 ctggggccag atccctgaac                                          200
E-->  66 1
```

VERIFICATION SUMMARY   DATE: 01/04/2002
PATENT APPLICATION: US/10/015,551   TIME: 10:40:51

Input Set : **A:\Sequences for submission.txt**
Output Set: **N:\CRF3\01042002\J015551.raw**

L:12 M:270 C: Current Application Number differs, Replaced Current Application No
L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:64 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:3
L:66 M:254 E: No. of Bases conflict, LENGTH:Input:1 Counted:200 SEQ:3